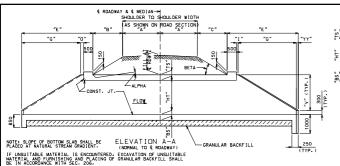


GENERAL NOTES:
ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.
JI BARS MAY BE BENT IN FIELD DR SHOP.
MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 40 mm
UNLESS OTHERWISE SHOWN.
FOR DIMENSIONS AND 51ZE AND 5PACING OF REINFORCING STEEL.
SEE STANDARD SHEET WORDS.15.

OF DR DETAILS OF REINFORCEMENT IN WINGS. SEE STANDARD
SHEET WORDS.37.



t No.	H 450	(TYP.)
300 (TYP.)	SECTION THRU BOX (NORMAL TO & STRUCTURE)		n
. 1			
TES:		ADWAY	

"S"

"TX"

2

LENGTH

TOTAL

ь

2

GENERAL DATA TABLE						
VARIABLE	DIMENSION (mm)		VARIABLE	DIMENSION (mm)		
ALPHA	SEE EQUATIONS	1	"o"	TX(COS Z)		
BETA	SEE EQUATIONS	I	"T"	G(SEC Z)		
"B"	SEE EQUATIONS	I	″v″	HT + TS - 300		
"C"	SEE EQUATIONS	I	"w"	2A + B + C + 2E		
″E ″	C + O + 500	П	"x"	75 + TX(TAN Z)		
"F "	S + 2TX	l	"Z"	SKEW ANGLE		
"G"	2V	П	"88"	(A + B)(SEC Z)		
"H"	(A + C + E)(TAN Z)	I	"CC"	(A + C)(SEC Z)		
"1"	75(COS Z)	I	"EE"	E(SEC Z)		
″J ″	(A + B + E)(TAN Z)	П	"HH"	500(SEC Z)		
"K "	(S/2)(SEC Z)	ı	"YY"	TX(SIN Z)		
"L"	2EE + BB + CC	Г				
"0"	I + YY					

GENERAL NO DESIGN SPECIFICATIONS: AASHTO - 2002 LOAD FACTOR DESIGN DESIGN UNIT STRESSES: CLASS B-1 CONCRETE f'o = 28 MPa REINFORCING STEEL (GRADE 420), fy = 420 MPa DESIGN LDADING: EARTH 1900 kg/m² EQUIVALENT FLUID PRESSURE 4.71 kPa/m (MIN.) - 9.42 kPa/m (MAX.) ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED. THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS. FOR DIMENSIONS NOT SHOWN, SEE STANDARD SHEETS M703.13, SHEETS 1 & 2 OF 3 OR M703.15.

NULL:
WHEN ALTERNATE PRECAST BOX SECTIONS ARE USED. THE MINIMUM BARREL
LENGTH MEASURED ALONG THE SHORTEST WALL FROM THE FIRST JOINT TO
THE OUTSIDE OF THE HEADWALL SHALL BE 950 mm. REINFORCEMENT AND
DIMENSIONS FOR THE WINCS AND HEADWALLS SHALL BE IN ACCORDANCE WITH
MISSCRIF STANDARD PLANS ORAWINGS.

CONST. JT

PLAN SHOWING LAYOUT DIMENSIONS (UPSTREAM AT LEFT SHOWN-FOR UPSTREAM AT RIGHT, ROTATE 180* ABOUT & STRUCTURE)

€ STATION-

✓ STRUCTURE



107/

500

-"Z" (SKEW ANGLE)

-CONST. JT. (TYP.)

€ ROADWAY OR € MEDIAN

EQUATIONS FOR COMPUTING LENGTH OF BARRELS

LET ALPHA = ANGLE OF SLOPE OF BARREL WITH HORIZONTAL ALONG

LET BETA = ANGLE OF SLOPE OF FILL NORMAL TO & ROADWAY.

"B" OR "C" = (FILL AT € ROADWAY)±(CROSS-SLOPE) X "A"± A TAN(ALPHA)
TAN(BETA) ± TAN(ALPHA)

"B" OR "C" - HORIZONTAL DISTANCE FROM EDGE OF SHOULDER TO HEADWALL NORMAL TO & OF ROADWAY.

DEFINITIONS

CROSS-SLOPE: SLOPE OF EACH PART OF THE ROADWAY INCLUDING ROADWAY CROWN. SHOULDER SLOPE. AND/OR SUPERELEVATION. SEE DESIGN ROADWAY CROSS SECTION FOR LANE AND SHOULDER WIDTHS AND SLOPES.

